Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/30/2019 09:56 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124730	-1	1.92	124760	1.94
Blue	F	SSC	125000	123606	-2	1.51	124351	1.48
Blue	E	FITC	16122	15486	-4	2.89	336	20.22
Blue	D	PE	29316	28679	-3	2.02	625	14.86
Blue	B	PerCP-Cy5-5	42590	42145	-2	3.63	1142	20.64
Blue	A	PE-Cy7	33146	33122	-1	6.16	625	40.60
Red	C	APC	45473	45084	-1	2.44	1601	12.02
Red	A	APC-Cy7	31961	31222	-3	2.47	825	11.67
Violet	B	V450	7914	7583	-5	4.21	431	12.89
Violet	A	V500	29769	29178	-2	3.93	681	10.08

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21098	3.77	609	9	N/A	N/A	Pass
Blue	F	SSC	56131	1.16	552	14	N/A	N/A	Pass
Blue	E	FITC	61	66.72	539	2	0.0205	194	Pass
Blue	D	PE	131	49.99	542	5	0.1604	275	Pass
Blue	B	PerCP-Cy5-5	209	49.78	645	7	0.0086	30	Pass
Blue	A	PE-Cy7	116	103.39	698	7	0.0113	25	Pass
Red	C	APC	381	25.26	583	4	0.0249	173	Pass
Red	A	APC-Cy7	181	28.47	559	3	0.0060	1201	Pass
Violet	B	V450	68	55.87	464	4	0.0507	1878	Pass
Violet	A	V500	102	31.36	477	5	0.0247	634	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.02	-31.53	0.99
Blue	20.36	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.53
Red	16.90	13.60 - 20.40	N/A	N/A	29.18	29.59	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11497

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments